

Advanced Electrical Systems Branch (RPE)

Performs research and development of systems, controls and component technology for the next generation of aerospace power systems. Develops the following: flywheels for satellite energy storage and attitude control; electric actuator technology for advanced launch vehicles and aircraft; motor drive technology to support the flywheels and actuators; power distribution elements such as switch gear and power converters technology; system technology in the areas of power system simulation, automated system management and health monitoring; component technology in the areas of magnetics, capacitors and semiconductors. The work covers the spectrum from early technology investigation to the build-up and deployment of flight hardware.

